

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A radial spherical crystallization product comprising needle-shaped projections radiating from the crystal core, wherein a sample component is a pharmaceutical drug or a drug carrier.

2. (original): The radial spherical crystallization product according to claim 1 having an aerodynamic diameter of 0.1-20 μm .

3. (original): The radial spherical crystallization product according to claim 1 or 2 having a bulk density of 100 mg/ml or less.

4. (currently amended): A radial spherical crystallization product obtained by emitting a supercritical fluid or a mixture of a supercritical fluid and a modifier and a solution comprising a sample component into a crystallization vessel through different flow channels to cause them to come in contact with each other as they are emitted into the crystallization vessel, wherein the sample component is a pharmaceutical drug or a drug carrier.

5. (original): The radial spherical crystallization product according to claim 4, wherein the supercritical fluid or the mixture of the supercritical fluid and a modifier is a poor solvent for the sample component.

6. (canceled).

7. (canceled).

8. (currently amended): The radial spherical crystallization product according to ~~claim 7~~claim 4, wherein the drug carrier is a sugar or sugar alcohol.

9. (currently amended): The radial spherical crystallization product according to ~~any one of claims~~claim 4-8, wherein the supercritical fluid is carbon dioxide.

10. (currently amended): The radial spherical crystallization product according to ~~any one of claims~~claim 4-9, wherein the modifier is ethanol.

11. (currently amended): The radial spherical crystallization product according to ~~any one of claims~~claim 1 or 4-10 used as a raw drug for a dry powder preparation.

12. (currently amended): The radial spherical crystallization product according to ~~any one of claims~~claim 1-10 or 4 used as a drug carrier for a dry powder inhaler.

13. (currently amended): A method for manufacturing a radial spherical crystallization product characterized by injecting a supercritical fluid or a mixture of a supercritical fluid and a modifier and a solution comprising a sample component into a crystallization vessel through different flow channels to cause them to come in contact with each

other as they are emitted into the crystallization vessel, wherein the sample component is a pharmaceutical drug or a drug carrier.

14. (original): The method for manufacturing a radial spherical crystallization product according to claim 13, wherein the supercritical fluid or the mixture of the supercritical fluid and a modifier is a poor solvent for the sample component.

15. (canceled).

16. (canceled).

17. (currently amended): The method for manufacturing a radial spherical crystallization product according to ~~claim 16~~claim 13, wherein the drug carrier is a sugar or sugar alcohol.

18. (currently amended): The method for manufacturing a radial spherical crystallization product according to ~~any one of claims~~claim 13-17, wherein the supercritical fluid is carbon dioxide.

19. (currently amended): The method for manufacturing a radial spherical crystallization product according to ~~any one of claims~~claim 13-18, wherein the modifier is ethanol.

20. (currently amended): A dry powder inhaler comprising the radial spherical crystallization product according to ~~claim 6~~claim 4 as an active ingredient.

21. (currently amended): A dry powder inhaler comprising the radial spherical crystallization product according to ~~claim 7~~claim 4 or 8 as a carrier.